IN THE CLAIMS:

This listing of claims replaces all prior versions and listings of claims in the application:

1-27. (cancelled)

 (original) A method for down converting a Radio Frequency (RF) information signal to a baseband information signal, the method comprising:

receiving the RF information signal;

down converting the RF information signal to produce a Very Low Intermediate Frequency (VLIF) information signal at a VLIF and having a DC offset;

down converting the VLIF information signal to produce a baseband information signal having a DC offset component at -VLIF frequency;

low pass filtering the baseband information signal;

producing a DC offset indication for the baseband information signal;

generating a DC offset correction based upon the DC offset indication, the DC offset correction having a DC offset correction component; and

subtracting the DC offset correction at -VLIF frequency from the baseband information signal to substantially remove the DC offset component at -VLIF frequency from the baseband information signal.

- 29. (original) The method of claim 28, wherein the VLIF is approximately 100 kHz.
- 30. (original) The method of claim 29, wherein the DC offset of the VLIF information signal is introduced by at least one of amplification operations, filtering operations, and down conversion operations.

- (original) The method of claim 28, wherein the DC offset indication is produced by correlating a VLIF tone with the baseband information signal across a full RF burst.
- 32. (original) A method for down converting a Radio Frequency (RF) information signal to a baseband information signal, the method comprising:

receiving the RF information signal;

in an analog operation, down converting the RF information signal to produce a Very Low Intermediate Frequency (VLIF) information signal at a VLIF and having a DC offset;

in an analog operation, down converting the VLIF information signal to produce a baseband information signal having a DC offset component at -VLIF frequency;

converting the baseband information signal from an analog signal to a digital signal;

in a digital operation, low pass filtering the baseband information signal;

in a digital operation, producing a DC offset indication for the baseband information signal;

in a digital operation, generating a DC offset correction based upon the DC offset indication, the DC offset correction having a DC offset correction component; and

in a digital operation, subtracting the DC offset correction at -VLIF frequency from the baseband information signal to substantially remove the DC offset component at -VLIF frequency from the baseband information signal.

33. (original) The method of claim 32, wherein the VLIF is approximately 100 kHz.

- (original) The method of claim 32, wherein the DC offset indication is produced by averaging the DC offset of the VLIF information signal across a full RF burst.
- (original) The method of claim 34, wherein the full RF burst carries a portion of one of a GPRS data packet or an EDGE data packet.
- (original) The method of claim 34, wherein the full RF burst is digitally modulated according to an 8-PSK constellation.
- (original) The method of claim 34, wherein the full RF burst is digitally modulated according to a GMSK constellation.
- (original) A wireless receiver for down converting a Radio Frequency (RF) information signal to a baseband information signal, the wireless receiver comprising:
- a local oscillator operable to produce a first local oscillation and a second local oscillation;
- a first mixer operable to mix the RF information signal with the first local oscillation to down convert the RF information signal to produce a Very Low Intermediate Frequency (VLIF) information signal at a VLIF and having a DC offset;
- a second mixer operable to mix the RF information signal with the second local oscillation to down convert the VLIF information signal to produce a baseband information signal having a DC offset component at -VLIF frequency;
 - a low pass filter operable to low pass filter the baseband information signal;

- a DC offset determination module operable to produce a DC offset indication for the baseband information signal;
- a DC offset correction module operable to generate a DC offset correction at -VLIF frequency based upon the DC offset indication; and

a subtraction module operable to subtract the DC offset correction from the baseband information signal to substantially remove a DC offset component at -VLIF frequency from the baseband information signal.

- (original) The wireless receiver of claim 38, wherein the VLIF is approximately
- (original) The wireless receiver of claim 38, wherein the DC offset of the VLIF information signal is introduced by at least one of an amplifier, a filter, and the mixer.
- (new) The method of claim 28, wherein the DC offset indication is produced by averaging the DC offset of the VLIF information signal across a full RF burst.
- (new) The method of claim 41, wherein the full RF burst carries a portion of one of a GPRS data packet or an EDGE data packet.
- (new) The method of claim 41, wherein the full RF burst is digitally modulated according to an 8-PSK constellation.

- (new) The method of claim 41, wherein the full RF burst is digitally modulated according to a GMSK constellation.
- 45. (new) The wireless receiver of claim 38, wherein the DC offset indication is produced by averaging the DC offset of the VLIF information signal across a full RF burst.
- 46. (new) The wireless receiver of claim 45, wherein the full RF burst carries a portion of one of a GPRS data packet or an EDGE data packet.
- (new) The wireless receiver of claim 45, wherein the full RF burst is digitally modulated according to an 8-PSK constellation.
- (new) The wireless receiver of claim 45, wherein the full RF burst is digitally modulated according to a GMSK constellation.